GENERAL NOTES

1. THIS BOOKLET OF GENERAL PLANS WAS DEVELOPED UNDER TAR SSI-021(02) BASED ON A SHIPCHECK CONDUCTED AT CASCADE GENERAL, INC. IN PORTLAND, OREGON ON OCTOBER 28-30, 2002, FOLLOWING THE DEMILITARIZATION AND CONVERSION OF THE EX-USNV AGATE PASS (YTT-12) TO A NOAA RESEARCH VESSEL.

2. THIS DRAWING SUPERSEDES REFERENCES NO. 1, 2, 3, AND 4.

LIST OF ABBREVIATIONS

BHD	BULKHEAD
BU	BUREAU
CG	CLEANING GEAR
CONT	CONTROLLER
DC	DAMAGE CONTROL
DF	DRINKING FOUNTAIN
DO	DIESEL OIL
ENCAP	ENCAPSULATED
EM	EXPANDED METAL
FC	FILE CABINET
FCU	FAN COIL UNIT
FO	FUEL OIL
FRZR	FREEZER
FS	FIRE STATION
FW	FRESH WATER
FXD	FIXED
GEN	GENERATOR
H	HATCH
LAV	LAVATORY
LKR	LOCKER
MSD	MARINE SANITATION DEVICE
NT	NON-TIGHT
PP	PUMP
REFER	REFRIGERATOR
REFRD	REFRIGERATED
SH	SHOWER
SR	STATEROOM
SPLY	SUPPLY
SWBD	SWITCHBOARD
TBL	TABLE
TK	TANK
V	VENT
VL	VERTICAL LADDER
WC	WATER CLOSET
WDO	WINDOW
WT	WATERTIGHT
WTD	WATERTIGHT DOOR
XDCR	TRANSDUCER
XFMR	TRANSFORMER

REVISIONS

REV	SHT	ZONE	ITEM	DESCRIPTION	DATE	APPD
A	2	10-B	1	ADDED VESSEL CALL LETTERS	1/31/03	RJH
	2	10-C	2	MODIFIED VESSEL COMPLEMENT		
	7	55-B	3	MODIFIED BRIDGE CONSOLE		

REFERENCES

NO	TITLE	DRAWING NO
1	YTT 9 CLASS, GENERAL ARRANGEMENTS - HOLD PLAN	801-6500933
2	YTT 9 CLASS, INBOARD PROFILE	5777-005
3	YTT 9 CLASS, OUTBOARD PROFILE	801-6500930
4	YTT 9 CLASS, GENERAL ARRANGEMENTS - DECKS	801-6500934

SHT	TITLE
7	FOC'SLE DECK, 02 LEVEL AND BRIDGE
6	MAIN DECK
5	HOLD LEVEL
4	INBOARD PROFILE
3	OUTBOARD PROFILE
2	GENERAL DATA
1	COVER SHEET

INDEX

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
OFFICE OF MARINE & AVIATION OPERATIONS

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ESSEX, CT 06426
TEL: (860) 767-9061

CONTRACT # 50-ABNA-0-00032
TAR-SSI-021-(02)

DSGN	-/-/--
	_
DWN	12/03/02
	JEK
CHK	12/03/02
	DAR
CHK	-/-/--
	_
	_
	NOAA APPROVAL

NOAA SHIP NANCY FOSTER

BOOKLET OF GENERAL PLANS

SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
D	0YLJ5	NF-085-001	A

SCALE: AS SHOWN

CAD FILENAME NF085001-1A SHT 1 OF 7

DECK MACHINERY

TYPE	MANUFACTURER	PULL\CAPACITY	QTY
HEAVY LIFT DECK CAPSTAN	FRITZ CULVER	20,000 LBS	1
CUBE 6 WINCH	MARKEY	– –	1
COM 15 WINCH	MARKEY	– –	1
CT WINCH	ALLIED SYSTEMS	– –	1
J–FRAME	– –	– –	1
A–FRAME	– –	20,000 LBS	1
AFT CRANE	GOODCRANE.COM	10,000 LBS	1

ENGINEERING

TYPE	MANUFACTURER	PULL/CAPACITY	QTY
MAIN PROPULSION (GEARED DIESEL)	CUMMINS	1250 BHP/1800 RPM	1
BOW THRUSTER (ELECTRIC)	OMNITHRUSTER	400 HP	1
Z–DRIVE UNIT	ULSTEIN	300 HP	2
SHIP'S SERVICE GENERATORS (450 VAC)	CUMMINS	395 KW	3
EMERGENCY GENERATOR (450 VAC)	CUMMINS	100 KW	1

NOTE: ELECTRICAL SERVICE: 450 VAC 3 PHASE, 220 & 120 VAC SINGLE PHASE, 230 VDC, 120 VDC

LAUNCHES & SMALL BOATS

TYPE	PROPULSION	LENGTH	QTY
RHIB (AMBAR AM550)	OUTBOARD MOTOR	18.67 FEET	1

ELECTRONICS

COMMUNICATIONS
VHF/FM TRANSCEIVERS
HF TRANSCEIVERS
EMERGENCY RADIO AUTOALARM
PORTABLE EMERGENCY TRANSCEIVER
EPIRB'S

NAVIGATION
RADAR
GYROCOMPASS
LORAN
SATNAV

ACOUSTICS
DEEP–WATER ECHO SOUNDER
SHALLOW–WATER ECHO SOUNDER
VERTICAL FISH FINDER
DOPPLER SPEED LOG

SCIENTIFIC EQUIPMENT
XBT SYSTEM
SHIPBOARD ENVIRONMENTAL ACQUISITION SYSTEM (SEAS)

HABITABILITY

SINGLE STATEROOM	2
DOUBLE STATEROOM	8
FOUR BUNK ROOMS	4
TOTAL BUNKS ABOARD	33
MESS	—

SCIENTIFIC LABORATORY FACILITIES

MISSION LABORATORY COMPARTMENT NO. 1	440 Sq Ft
MISSION LABORATORY COMPARTMENT NO. 2	295 Sq Ft
MULTI–PURPOSE SPACE	620 Sq Ft

FRESHWATER SYSTEM

EVAPORATOR (ALFA–LAVAL)	1
TYPE	JWP–16–C40
CAPACITY	7 CU. METERS/DAY

SEWAGE WASTE CONTROL

SYSTEM TYPE	___
MANUFACTURER	___
HOLDING CAPACITY	___

OILY WASTE CONTROL

SYSTEM TYPE	OILY WATER SEPARATOR
MANUFACTURER	VILLAGE MARINE
FLOW RATE	___ GPM
HOLDING CAPACITY	____GALLONS

GENERAL CHARACTERISTICS

LENGTH OVERALL	186'–6"
LENGTH BETWEEN PERPENDICULARS	176'–7⅛"
BEAM (MOLDED)	40'–0"
DEPTH TO MAIN DECK (MOLDED)	16'–0"
DESIGN DRAFT	10'–6"
MOLDED DISPLACEMENT (S.W.)	1182.37 L.TONS
FRAME SPACING	24"

COMPLEMENT

OFFICERS	5
CREW	11
SCIENTISTS	17

GENERAL INFORMATION

LAUNCHED	SEPTEMBER 1990
DELIVERED	JULY 1991
CONVERTED	DECEMBER 2002 CASCADE GENERAL INC., PORTLAND, OR
CALL LETTERS	WTER
BUILDER	McDERMOTT SHIPYARDS INC. AMELIA, LA
HOMEPORT	CHARLESTON, SC
HULL	WELDED STEEL

PREPARED BY:
Seaworthy Systems, Inc.
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SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
D	0YLJ5	NF–085–001	A
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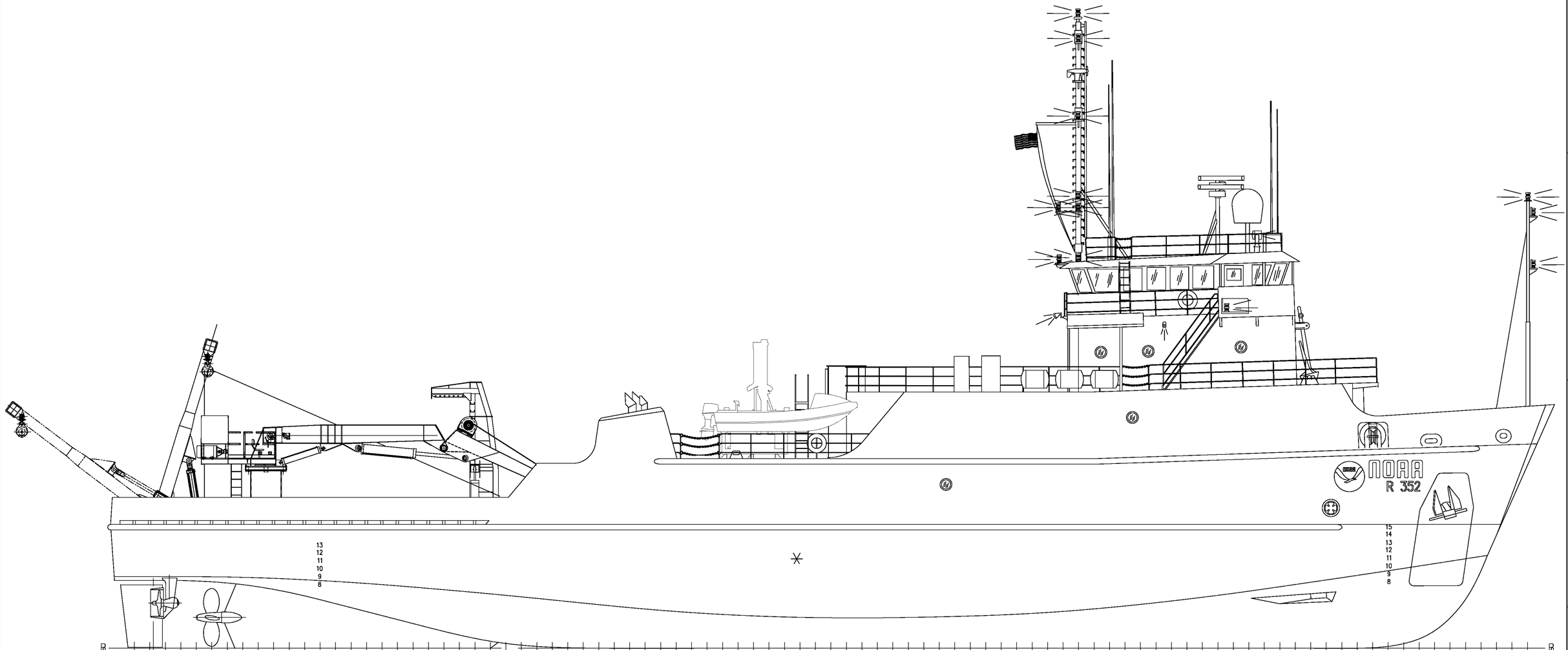

OUTBOARD PROFILE

0 1' 2' 4' 6' 8' 12' 16'

SCALE: 3/16" = 1'-0"

SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
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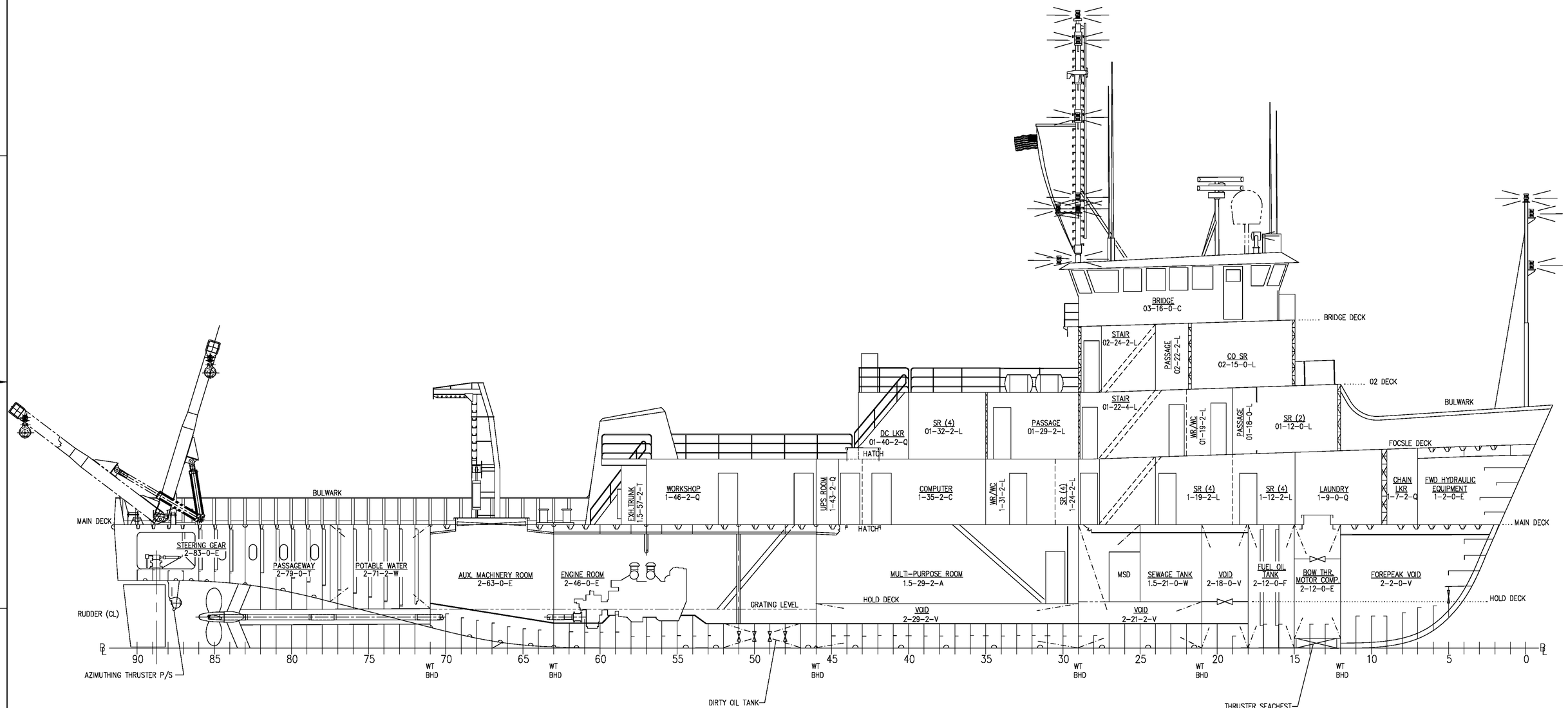


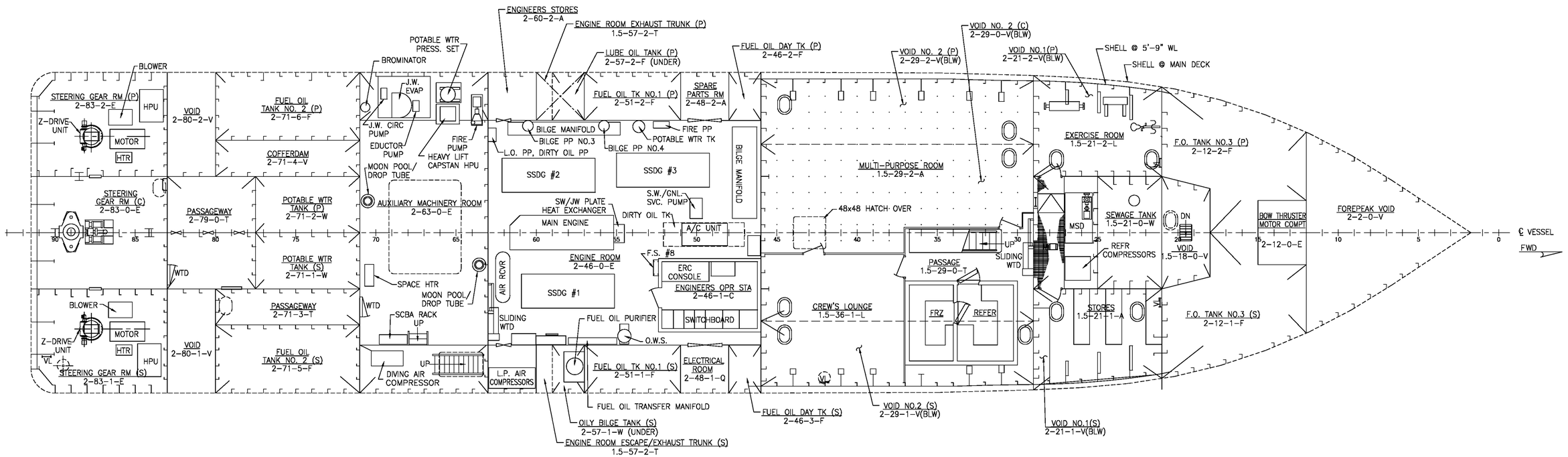
CENTERLINE INBOARD PROFILE

(GENERALLY LOOKING TO PORT)

0 1' 2' 4' 6' 8' 12' 16'

SCALE: 3/16" = 1'-0"

SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
D	0YLJ5	NF-085-001	A
SCALE: 3/16"=12"	CAD FILENAME NF085001-4A	SHT 4 OF 7	



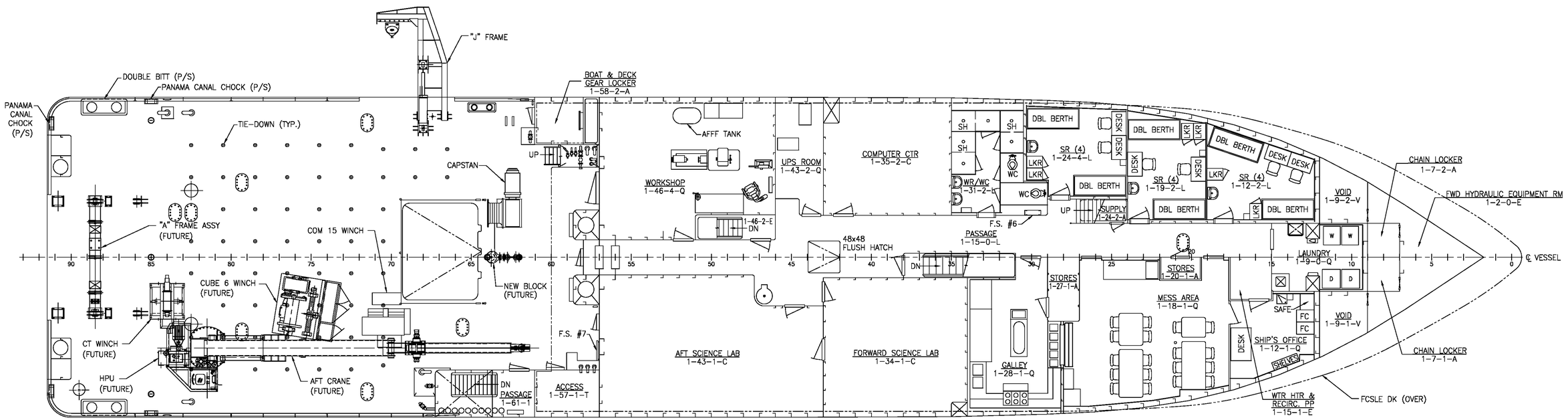
PLAN VIEW, HOLD

SCALE: 3/16" = 1'-0"

0 1' 2' 4' 6' 8' 12' 16'

SCALE: 3/16" = 1'-0"

SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
D	0YLJ5	NF-085-001	A
SCALE: 3/16"=1'		CAD FILENAME NF085001-5A	SHT 5 OF 7



PLAN VIEW, MAIN DECK

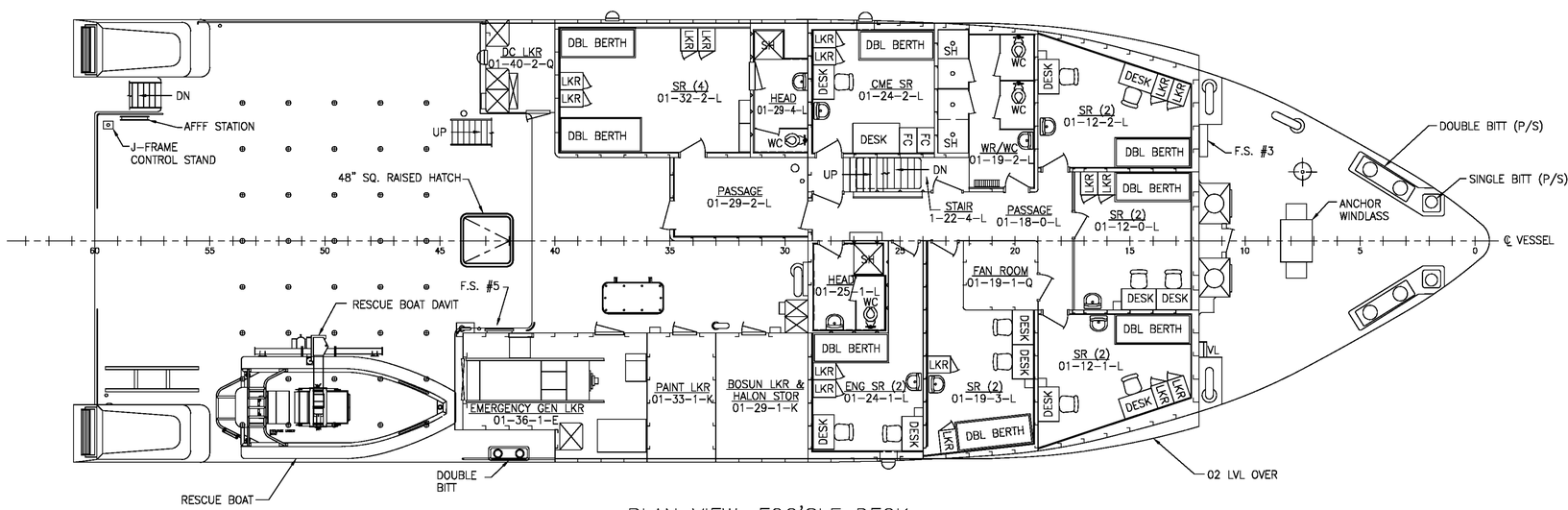
SCALE: 3/16" = 1'-0"

FWD

0 1' 2' 4' 6' 8' 12' 16'

SCALE: 3/16" = 1'-0"

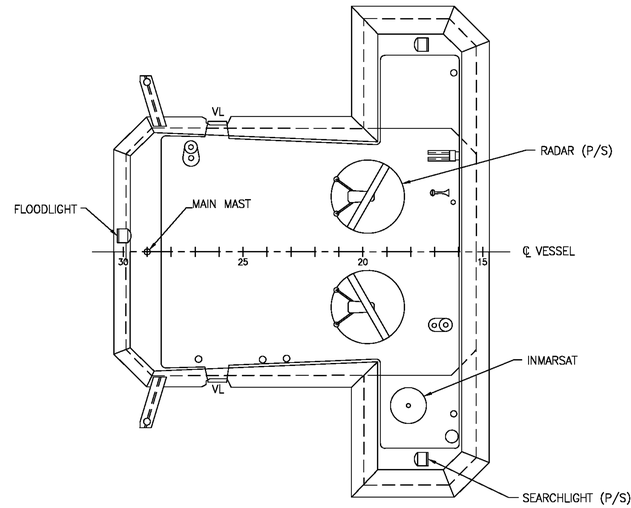
SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
D	0YLJ5	NF-085-001	A
SCALE: 3/16"=1'		CAD FILENAME NF085001-6A	SHT 6 OF 7



PLAN VIEW, FOC'SLE DECK

SCALE: 3/16" = 1'-0"

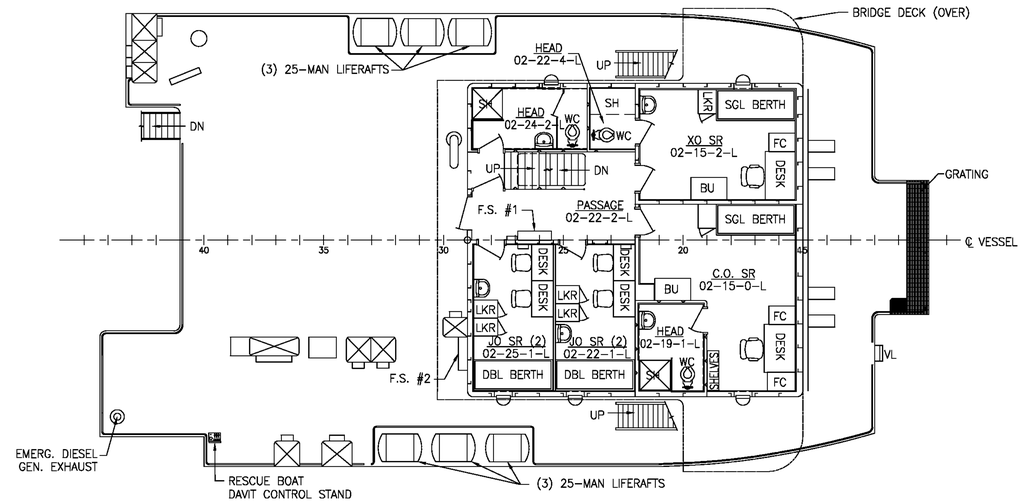
FWD



PLAN VIEW, PILOT HOUSE TOP

SCALE: 3/16" = 1'-0"

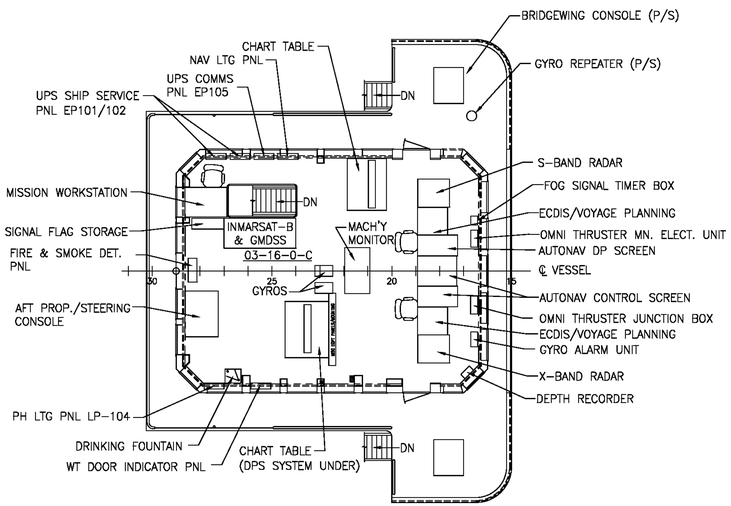
FWD



PLAN VIEW, 02 DECK

SCALE: 3/16" = 1'-0"

FWD



PLAN VIEW, BRIDGE DECK

SCALE: 3/16" = 1'-0"

FWD

0 1' 2' 4' 6' 8' 12' 16'

SCALE: 3/16" = 1'-0"

SIZE	CAGE CODE	NOAA DRAWING NUMBER	REV
D	0YLJ5	NF-085-001	A
SCALE: 3/16"=1'		CAD FILENAME NF085001-7A	SHT 7 OF 7